

### III. Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims:

1-12. (Previously Cancelled)

13. (Currently Amended) A method for treating a sexual dysfunction in a female patient in need thereof comprising orally or nasally administering a pharmaceutical formulation comprising a therapeutically effective amount of an S-nitrosothiol.

Claims 14 and 15. (Canceled)

16. (Previously Presented) The method of claim 13, wherein the sexual dysfunction is psychogenic, neurogenic, endocrinologic, drug-induced or vasculogenic.

17. (Previously Presented) The method of claim 13, wherein the S-nitrosothiol is an S-nitroso-polypeptide, an S-nitrosylated amino acid, an S-nitrosylated sugar, an S-nitrosylated oligonucleotide or an S-nitrosylated hydrocarbon.

18. (Previously Presented) The method of claim 13, wherein the S-nitrosothiol is S-nitroso-N-acetylcysteine, S-nitroso-captopril, S-nitroso-homocysteine, S-nitroso-cysteine or S-nitroso-glutathione.

19. (Previously Presented) The method of claim 13, wherein the S-nitrosothiol has one of the following structures: (i)  $\text{CH}_3[\text{CH}(\text{R}_e)(\text{R}_f)]_x\text{SNO}$ ; (ii)  $\text{HS}[\text{CH}(\text{R}_e)(\text{R}_f)]_x\text{SNO}$ ; (iii)  $\text{ONS}[\text{CH}(\text{R}_e)(\text{R}_f)]_xB$ ; or (iv)  $\text{H}_2\text{N}-\text{CH}(\text{CO}_2\text{H})-(\text{CH}_2)_x-\text{C}(\text{O})\text{NH}-\text{CH}(\text{CH}_2\text{SNO})-\text{C}(\text{O})\text{NH}-\text{CH}_2-\text{CO}_2\text{H}$ ; wherein x is 2 to 20;  $\text{R}_e$  and  $\text{R}_f$  are independently hydrogen, lower alkyl, cycloalkyl, aryl, heteroaryl, arylalkyl, amino, alkylamino, amido, alkylamido, dialkylamino, or carboxy, or taken together with the carbon atoms to which they are attached  $\text{R}_e$  and  $\text{R}_f$  are carbonyl, cycloalkyl or bridged cycloalkyl; B is fluoro,  $\text{C}_1\text{-C}_6$  alkoxy, cyano, carboxamido, cycloalkyl, arylalkoxy, alkylsulfinyl, arylthio, alkylamino, dialkylamino, hydroxy, carbamoyl, N-alkylcarbamoyl, N,N-dialkylcarbamoyl, amino, nitro or aryl.